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Title: USNRDL Major Non-recurring Maintenance and Minor New
Construction - FY 1957

Serial No: 3-1410-2

Pages: 8

Notes: NRDL

U. S. NAVAL RADIOLOGICAL DEFENSE LABORATORY
San Francisco 24, California

3-141D-2
J10:1ps
30 Apr 1956

From: Commanding Officer and Director
U.S. Naval Radiological Defense Laboratory
To: Chief, Bureau of Ships (Code 770)
Via: District Public Works Officer
Twelfth Naval District

Subj: USNRDL Major Non-recurring Maintenance Program and Minor New
Construction and Improvement Program for FY 1957; submission of

Ref: (a) NAVRIPS 250-770, Rev. 2 of Apr 1956

Encl: (1) Numerical listing of USNRDL Major Non-recurring Maintenance
Projects for FY 1957 with NAVDOCKS Form 167 justification
sheets of 30 Apr 1956.
(2) Numerical listing of USNRDL Minor New Construction and
Improvement Projects for FY 1957 with NAVDOCKS Form 167
justification sheets of 30 Apr 1956.

1. Enclosures (1) and (2) are forwarded in compliance with reference
(a) (3 copies).

R. E. HARRIS
Acting

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NP/12 (771B)
SLW 771-906
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Public Affairs
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30 Apr 56

NUMERICAL LIST OF MAJOR NON-RECURRING MAINTENANCE PROJECTS

USMCL Item No.	USMCL Code No.	DESCRIPTION CATEGORY E	Estimated Cost
W1-37	3-920	Bldg 815 - Fifth Floor, Changes to facilitate equipment handling	\$ 20,000

Enclosure (1) to USMCL ltr 3-1418-2/JIO:lps of 30 Apr 1936

U. S. Naval Radiological Defense Laboratory
PLACESan Francisco 2L, California

DATE 30 April 1956

ORDER OF IMPORTANCE: NUMBER Item M1-57

PROJECT NUMBER

PURPOSE

The fifth floor is used by the Bio-Med Division. A large part of their work requires handling large racks of animal cages and animals in cages, moving them from room to room in conduct of experiments, cleaning etc., which has caused considerable damage to doorways and door hardware. The purpose of this project is to provide larger doorways with door frames and hardware of a type better suited to this use.

TOTAL ESTIMATED COST : 20,000

FUNDS REQUESTED NOW: AMOUNT \$

DESCRIPTION OF PROJECT AND COMMENT, INCLUDING STATEMENT OF DEGREE OF URGENCY AND NECESSITY:

1. Description of Project: Provide larger doorways to rooms in which animal racks and other large racks are moved extensively. Provide bumper plates and non-protruding hardware. Number of rooms involved is approximately 10.

2. Justification:

a. In moving the large cage racks containing many cages it is very difficult to get through the small door openings without bumping the door frame or knob. Some door frames have been badly battered and several door knobs have been broken off. Considerable effort has been made to require more careful handling of equipment by personnel with some good results, but in spite of repeated efforts, considerable damage continues.

b. In the previous location before the move to Building 815, damage by the carts was less because door openings were larger, and damage is more easily repaired in a wood building.

c. If reduction in scope is necessary to reduce expenditure requirement, the number of openings can be reduced to include only those which are used most.

d. This is a new project.

(Continue on another sheet if necessary)

THIS SPACE RESERVED FOR BUREAU MEMORANDUM

PROJECT MANAGER _____

BUREAU ACTION _____

NUMERICAL LISTING OF USMADL WORK NEW CONSTRUCTION AND IMPROVEMENT PROGRAM

USMADL Proj. No.	USMADL Code No.	DESCRIPTION	ESTIMATED Cost
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CATEGORY A

C1-57	3-940	Cover for Van de Graaff Range	\$ 5,000
C2-57	3-730	Remote Monitoring Systems, Bldg 815 & 816	2,200
C3-57	3-240	Partitions for Second Increment, Bldg 815	20,000

CATEGORY B

None

CATEGORY C

C4-57	3-240	Elevator for Second Increment, Bldg 815	90,000
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Enclosure (2) to USMADL ltr 3-1412-3/J10:lpe of 30 Apr 1956

12ND-MI 4589 (Rev. 1-54)

*NAVY-MI-DPFO12ND

Code							
Reviewed by							
Date							

Initials hereon indicates that the person initialing has read and approved the correspondence and has no recommendation to make as to change therein.

PLACE U. S. Naval Radiological Defense Laboratory
San Francisco 21, California

DATE 30 April 1956

ORDER OF IMPORTANCE: NUMBER Item C1-57

PROJECT NUMBER

PURPOSE

Category A

Certain experiments cannot be performed in Building 816 using low intensity protons or deuterons because back scattering (reflections from the close concrete walls, ceiling and floor) makes accurate control impossible. It is proposed to provide a pre-fabricated steel building extension to Building 816 for use as a weather cover for a low intensity range to permit the above-mentioned experiments.

TOTAL ESTIMATED COST \$5,000

FUNDS REQUESTED NOW: AMOUNT \$

DESCRIPTION OF PROJECT AND COMMENT, INCLUDING STATEMENT OF DEGREE OF URGENCY AND NECESSITY:

1. Description of Project: Provide a 32' wide x 40' long, 14' vertical minimum height pre-fabricated steel building extension to Building 816. A concrete floor, electric lighting and convenience electrical outlets will be required. No insulation, heating nor radiation shielding will be required. Location will be on the east side, attached to Building 816.

2. Justification:

a. This project is needed to conduct low intensity proton and deuteron experiments in the current program.

b. The above-mentioned structure is considered the minimum to meet this need.

c. This is a new project.

(Continue on another sheet if necessary)

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BUREAU ACTION _____

U. S. Naval Radiological Defense Laboratory
PLACE San Francisco 24, California

DATE 30 April 1956

ORDER OF IMPORTANCE: NUMBER

Item C2-57

PROJECT NUMBER

PURPOSE

Category A

This project is for the purpose of providing continuous monitoring and recording of radiation intensities of all the areas of main sources of radiation in the Laboratory. This is not to be confused with the project now under way for monitoring sewage and exhaust air.

TOTAL ESTIMATED COST

\$2,200

FUNDS REQUESTED NOW: AMOUNT

\$

DESCRIPTION OF PROJECT AND COMMENT, INCLUDING STATEMENT OF DEGREE OF URGENCY AND NECESSITY:

1. Description of Project: It is proposed to provide one indicating and recording station in Building 815 to continuously monitor and record (1) the isotope storage room, (2) Room 184, (3) Room 187, (4) Room 114, (5) Air monitoring in Room 6129, and (6) Calibration Range (Room 4133). A separate indicator and recorder is proposed for the console room of Building 816.

2. Justification:

a. This project is a radiological safety improvement. It is designed to satisfy the requirements set down as proposals for enactment in the Federal Register, Sections 20.21, 20.42 and 20.12 for the Atomic Energy Commission as of July 1955.

b. At present this type of area monitoring is done by film packet dosimeters placed on walls and furniture. This has the disadvantage of delaying information until films are developed and only intermittent results are available.

c. This is a new project.

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BUREAU ACTION _____

PLACE U. S. Naval Radiological Defense Laboratory
San Francisco 24, California

DATE 30 April 1956

ORDER OF IMPORTANCE: NUMBER

Item C3-57

PROJECT NUMBER

PURPOSE

Category A

This project is for the purpose of providing and installing steel panel partitions in the third, fourth and sixth floor second increments of Building 815.

TOTAL ESTIMATED COST

\$ 20,000

FUNDS REQUESTED NOW: AMOUNT

\$

DESCRIPTION OF PROJECT AND COMMENT, INCLUDING STATEMENT OF DEGREE OF URGENCY AND NECESSITY:

1. Description of Project: Provide steel panel partitions similar to those in the remainder of Building 815 in the third, fourth and sixth floor second increments. Arrangement of rooms is to be determined.

2. Justification:

a. Partitions are required for laboratories and offices essential for the planned research program of the Laboratory.

b. This is a new project.

(Continue on another sheet if necessary)

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BUREAU ACTION _____

PLACE U. S. Naval Radiological Defense Laboratory
San Francisco 24, California

DATE 30 April 1956

ORDER OF IMPORTANCE: NUMBER Item C4-57

PROJECT NUMBER

PURPOSE

Category C

This project is for the purpose of providing an additional passenger elevator in the Second Increment of Building 815 in the elevator well which was provided in the original construction.

TOTAL ESTIMATED COST \$ 90,000

FUNDS REQUESTED NOW: AMOUNT \$

DESCRIPTION OF PROJECT AND COMMENT, INCLUDING STATEMENT OF DEGREE OF URGENCY AND NECESSITY:

1. Description of Project: Provide an elevator in existing elevator well with all necessary building alterations to accommodate the elevator. Characteristics: Stop at 6 floors, capacity 4000 lbs., speed 250 fpm with all operating equipment, door opening and closing mechanisms, etc.
2. Justification: This project will be required when the third, fourth and sixth floor increments are outfitted as offices and laboratories. The present elevator is extensively used now and further loading would result in delayed service. When the Second Increment is fully occupied, there will be considerable time lost in getting from floor to floor, and general slower service is expected from the existing elevators and escalators as the number of persons increases. This project will be justified economically by time saving in personnel and material movement.

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